b)	line-switching <u>tra</u>	nsferring	[transfer]	of data	through
	said connection fro				,
	of the packet-swit	ching netw	ork;		

- c) packeting of the data <u>into data packets</u> if [this does] the data do not yet exist as data packets, and packets switching <u>transferring</u> [transfer] of the data packets through the packet-switching network from the access point to the second switch;
- d) checking repeatedly [repeated checks] whether a control signal exists which is triggered by [the] a user of the [an] end terminal or the network management system for changing-over [transferring] to a line-switching connection to the second switch;
- e) establishing the [a] line-switching connection, during an existing transfer, from the first switch to the second switch through the line-switching network with a [the] presence of [a corresponding] the control signal, if [this] the line-switching connection is not yet present;
- f) changing-over to a line-switching data transfer during the existing [connection] <u>transfer</u> and transferring data over the line switching connection to the second switch.
- 2. (Amended) A method [Method] for transferring data from an end terminal, from a first switch to a second switch both of which are [both] part of a line-switching network and a packet-switching network, both managed by a network management system, and have access to such networks, selectively through line-switching or through packet-switching, comprising [consisting of] the [followings] steps of:
 - a) packeting the data <u>into data packets</u> in the first switch if the data does not yet exist as data packets;

- b) packet-switching <u>transferring</u> [transfer] of <u>the</u> data packets through the packet-switching network to the second switch;
 - c) checking repeatedly [repeated checking] whether a control signal exists which is triggered [released] by a [the] user of the [an] end terminal or [a] the network management system for transferring to a line-switching connection to the second switch;
- d) establishing the [a] line-switching connection, during an existing transfer, through the line-switching network to the second switch with [the] a presence of [a corresponding] the control signal, if [this] the line-switching connection is not yet present;
- e) [f)] changing-over [change] to a line-switching data
 transfer during the existing [connection] transfer
 and transferring data over the line switching
 connection to the second switch.
- 3. (Amended) <u>The method</u> [Method] according to claim 1 or 2 wherein the data packets after changing <u>over</u> to [a] <u>the</u> lineswitching data transfer remain as data packets and are transferred as such by line-switching.
- 4. (Amended) The method [Method] according to claim 1 or 2 wherein the data packets after changing to [a] the line-switching data transfer are unpacketed, more particularly [the] headers of the data packets are removed.
- 5. (Amended) The method [Method] according to claim 1 [at least one of claims 1, 3 or 4] wherein a [the] same data channel is used to send the data packets to the access point to the packetswitching network and to transfer the data through the lineswitching network to the second switch.

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- 6. (Amended) The method [Method] according to claim 1 [at least one of claims 1, 3 or 4] wherein data packets are transferred to the access point to the packet-switching network through a first data channel and the data are transferred for line-switching to the second switch through a second data channel.
- 7. (Amended) The method [Method] according to claim 1 or 2 [at least one of the preceding claims] wherein the line-switching network is an ISDN network [with] having ISDN switches, the data packets have [the format] a TCP/IP format and [the] data channels used for the line-switching data transfer [represent] are ISDN B channels.
- 8. (Amended) The method [Method] according to claim 1 or 2 [at least one of the preceding claims] wherein the control signal which [releases] triggers a change-over [change] between the lineswitching transfer and the packet-switching transfer [on understepping or exceeding certain demands on the quality of the data transfer such as time delay or noise proportion,] is produced automatically when demands on a quality of a data transfer such as a time delay or a noise proportion is understepped or exceeded, or produced as a result of a command of [a] the network management system or [an] the end terminal [appliance].
- 9. (Amended) The method [Method] according to claim 1 [at least one of the preceding claims] wherein, with [a] the lineswitching data transfer between the first switch and the second switch or between the first switch and the access point to the packet-switching network, the data of several users are multiplexed on one data channel by forming sub-channels of a fixed bandwidth [band width].

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- 10. (Amended) The method [Method] according to claim 9 wherein the data of [one] the user [after its selection] when lineswitching is selected, are transferred line-switched with a transfer rate which corresponds to a fraction of the transfer rate of a [the] bandwidth [band width] which is available as standard to the user.
- 11. (Amended) The method [Method] according to claim 9 or 10 wherein the line-switched] network is an ISDN network and the data of [one] the user to be transferred are transferred between the first and the second switches or between [one] the first switch and the access point to the packet-switching network on [one] a data channel with a bandwidth [band width] which [corresponds to] is only a fraction of a standard [the] bandwidth [band width] of 64 kbit/s [which is available as standard], more particularly 32, 16, 8, 4, 2 or 1 kbit/s.
- 12. (Amended) The method [Method] according to claim 11 wherein, in the <u>first</u> switch, only [each] <u>every</u> n-th byte or <u>every</u> [each] n-th bit of an ISDN frame is copied over and forwarded on [the] <u>a</u> [switched-through] data channel to the [next] <u>second</u> switch or to [an] the access point to the packet-switching network, whereby <u>an effective</u> [the] <u>bandwidth</u> [band width] of the <u>lineswitching</u> data transfer is [64 kbit/s /n] <u>(64/n) kbit/s</u>.
- 13. (Amended) The method [Method] according to Claim 1 or 2 [at least one of the preceding claims] wherein, with a data transfer from the first switch changing over [a change-over] from a packet-switching data transfer to [a] the line-switching data transfer,
 - a) <u>an</u> [the] address information of the data packets are evaluated and classified according to <u>a</u> network topology[;], <u>and</u>

9	b)	for the data packets whose destination addresses [relate]
10		<pre>correspond to [the] a same topological area of the</pre>
11		network [a] , the second switch is selected which is
12		located in [this] the same topological area[;]

- [c) a line-switching connection (bypass) is established with the selected switch, and]
- [d) the corresponding data or data packets are transferred line-switched to the switch].
- 14. (Amended) The method [Method] according to claim 13 wherein, [characterized in that] to classify the data packets according to the network topology, the destination addresses of the data packets are sorted according to geographical areas whereby, for data packets whose destination addresses correspond [relate] to [the] a same geographical area, [a] the second switch is selected [which is] to be located in this geographical area [and a lineswitching connection is established with this switch].
- 15. (Amended) The method [Method] according to claim 14 [characterized in that] wherein, for classifying the data packets according to geography, the destination addresses are compared with destination addresses stored in a data bank [whereby the data band] which contains a link between the destination addresses and [the] associated [geographic situation] geographical areas.
- 16. (Amended) [Method according to at least one of the preceding claims wherein in corresponding manner during an existing connection a change is made between a line-switching and a packet-switching transfer.] The method according to claim 1, when the data is being transferred using the line-switching data transfer, further comprising the steps of:
 - a) checking repeatedly whether a second control signal exists which is triggered by the user of the end terminal or

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the network management system for changing-over to a packetswitching data transfer to the second switch;

- b) establishing a second connection through the lineswitching network, during the existing transfer, from the first switch to the access point of the packet-switching network with a presence of the second control signal, if the connection to the access point is no longer present;
- c) changing-over to a packet-switching data transfer during the existing transfer;
- d) line-switching transferring of the data through the connection or the second connection from the first switch to the access point; and
- e) packeting of the data into data packets if the data does not yet exist as data packets, and packet-switching transferring of the data packets through the packet switching network from the access point to the second switch.
- 17. (Amended) A switch [Switch] for use in a method according to claim [claims] 1 or 2, [with] comprising: a control device; at least one packeting device [(713, 714)] for packeting and unpacketing data[,]; a packet switching device [(72)] for routing data packets; and a line-switching device [(73)] for establishing connections of data channels, [characterized by] wherein [a] the control device [(71) which] directs incoming data either to the packet switching device [(72)] or to the line switching device [(73)] depending [in dependence] on the control [signals] signal [of a] triggered by the user of [an] the end terminal or the [a] network management system.
- 18. (Amended) <u>The switch</u> [Switch] according to claim 17 [characterized in that] <u>further comprising</u> a topology data bank [(75) is provided_which contains] containing associations between

- 4 destination addresses of <u>the</u> data packets and associated 5 geographical <u>areas</u> [origin].
 - 19. (Amended) The switch [Switch] according to claim 17 [or 18] further comprising [characterized in that furthermore] a multiplexer [(732) is provided] which, with the presence of a corresponding control command, multiplexes several data streams so that only [each] every n-th bit and/or [each] every n-th byte is used in [the] an outgoing data channel.
 - 20. (Amended) <u>The switch</u> [Switch] according to claim 19 [characterized in that] <u>wherein</u> different input data streams occupy different sized proportions in the outgoing data channel.
 - 21. (Amended) The switch [Switch] according to claim 17 further comprising [one of claims 17 to 20 characterized in that in addition] a device [(721) is provided] for compressing and decompressing data.

Please add the following new claims:

- -- 22. The method according to claim 2 wherein, with the line-switching data transfer between the first switch and the second switch, the data of several users are multiplexed on one data channel by forming sub-channels of a fixed bandwidth. --
- -- 23. The method according to claim 22 wherein the data of the user when line-switching is selected, are transferred line-switched with a transfer rate which corresponds to a fraction of the transfer rate of a bandwidth which is available as standard to the user. --

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- 1 -- 24. The method according to claim 22 or 23 wherein the line2 switching network is an ISDN network and the data of the user to be
 3 transferred are transferred between the first and the second
 4 switches on a data channel with a bandwidth which is only a
 5 fraction of a standard bandwidth of 64 kbit/s, more particularly
 6 32, 16, 8, 4, 2 or 1 kbit/s. --
 - -- 25. The method according to claim 24 wherein, in the first switch, only every n-th byte or every n-th bit of an ISDN frame is copied over and forwarded on a data channel to the second switch, whereby an effective bandwidth of the line-switching data transfer is (64/n) kbit/s. --
 - -- 26. The method according to claim 2, when the data is being transferred using the line-switching data transfer, further comprising the steps of:
 - a) checking repeatedly whether a second control signal exists which is triggered by the user of the end terminal or the network management system for changing-over to a packet-switching data transfer to the second switch;
 - b) changing-over to a packet-switching data transfer during the existing transfer with a presence of the second control signal; and
 - c) packeting the data into data packets in the first switch if the data does not yet exist as data packets, and packets switching transferring of the data packets through the packetswitching network to the second switch. --
- 1 -- 27. A switch comprising:
 - a control device;
- at least one packeting device for packeting and unpacketing data;
- a packet switching device for routing data packets; and